

# Micromobility Committee

Quarterly Meeting  
February 14, 2024



*Photo: Dorret Oosterhoff, Kittelson & Associates*

# Agenda

## 1. 2023-2024 Permit Updates

## 2. Data Updates

Ridership

Corrals

Compliance Updates

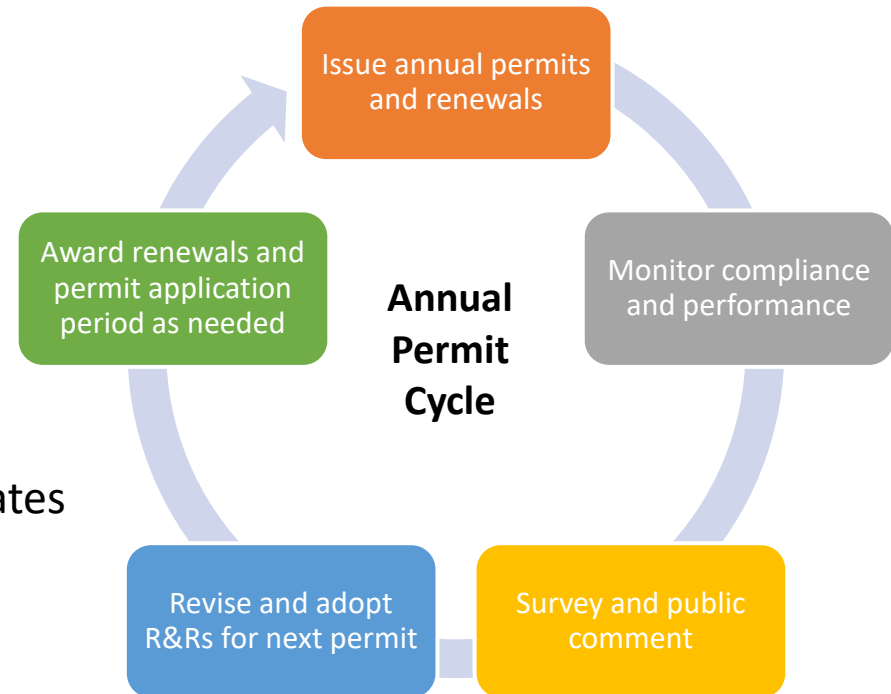
## 3. Presentations

Spin

## 4. Discussion

Looking Ahead – User Survey & R&R Updates

Living Labs Program



*DVC is now quarterly with monthly newsletters.*

Email [dot-community@baltimorecity.gov](mailto:dot-community@baltimorecity.gov) or [kaitlyn.schaffer@baltimorecity.gov](mailto:kaitlyn.schaffer@baltimorecity.gov) to receive emails.

## Baltimore down to one scooter operator after Link's sudden collapse

Daniel Zawodny 1/4/2024 3:33 p.m. EST



## Micromobility companies rode through rough times last year. What's ahead for 2024?

With strong demand for bikes and scooters bumping into some providers' financial troubles, "We're at an inflection point in the industry," said Lime's chief operating officer.

Published Jan. 30, 2024



Dan Zukowski  
Senior Reporter



September 19, 2023



## Bird Acquires Spin, Now North America's Largest Micromobility Operator By Market Share

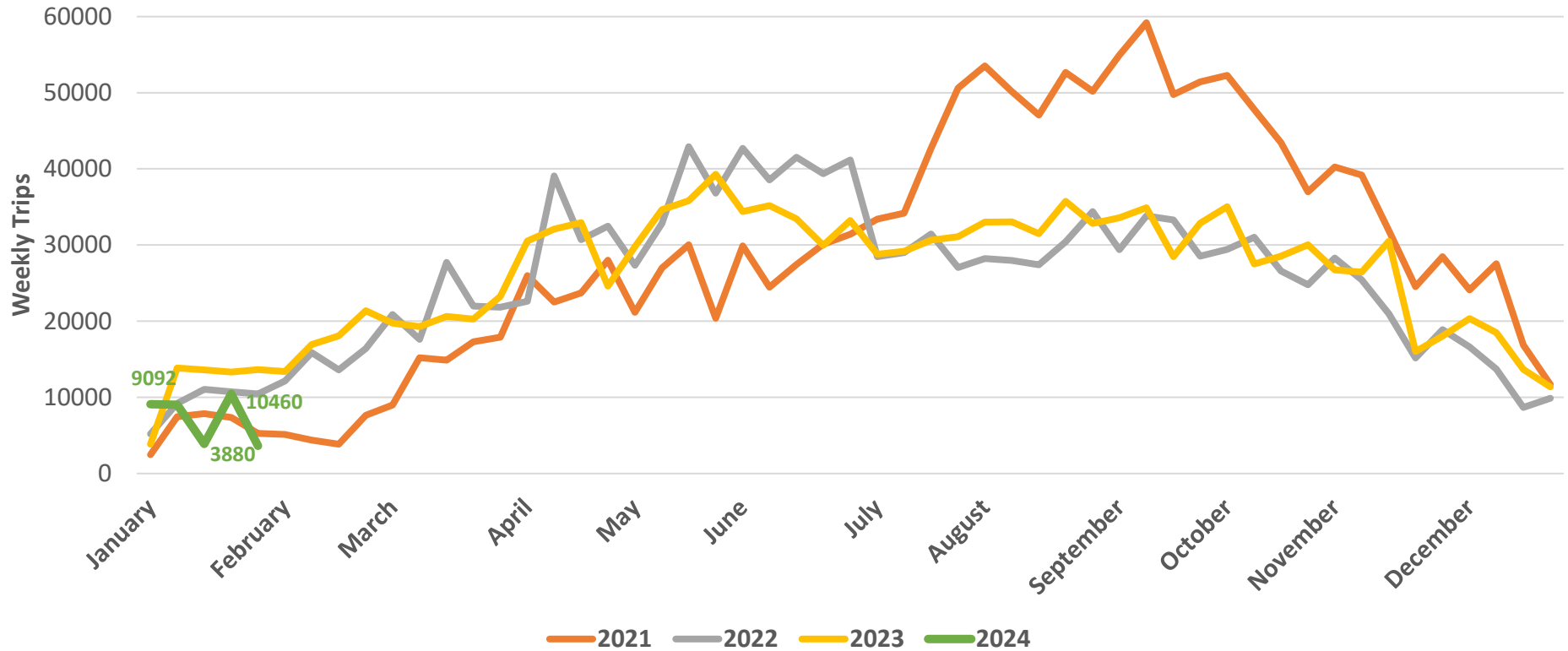
*Synergies upwards of \$20 million and key profitable markets including Washington D.C., Baltimore, MD and Salt Lake City UT.*

*Combined, Bird will serve approximately 350 markets globally with over 200,000 vehicles*

MIAMI--(BUSINESS WIRE)-- [Bird Global, Inc.](#) (NYSE:BRDS), ("Bird" or the "Company") a leader in environmentally friendly electric transportation, today announced it has acquired shared electric bike and scooter operator Skinny Labs, Inc. (doing business as [Spin](#)) from Berlin-based TIER Mobility. The transaction makes Bird the largest micromobility operator in North America by market share<sup>1</sup> and is expected to be immediately accretive to earnings. Spin is now a wholly-owned subsidiary of Bird Rides, Inc. The purchase price was \$19 million, including \$10 million in upfront cash, \$6 million in a vendor take back and \$3 million as a hold back. This transaction was supported by MidCap Financial Investment and MidCap Financial Trust, managed or advised by Apollo Capital Management, LP.

# Ridership

## Weekly Trips, Annual Comparison



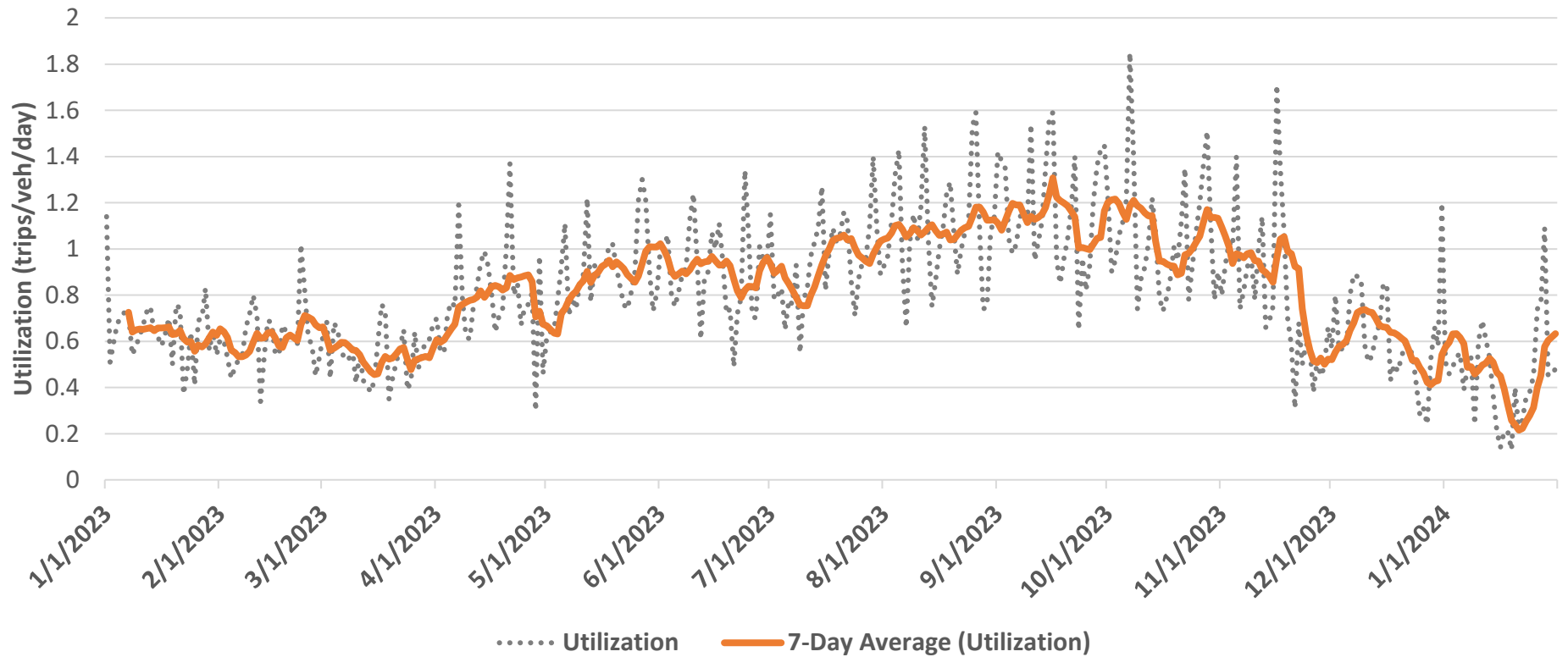
## Weekly Trips, Annual Comparison

Year	Average Weekly Trips
2021	28,729
2022	25,311
2023	25,953

Year	Average Weekly Trips - January
2021	6,088
2022	9,326
2023	11,653
<b>2024</b>	<b>7,217</b>

# Ridership

## Trips per Vehicle per Day



## Vehicle Utilization, Annual Comparison

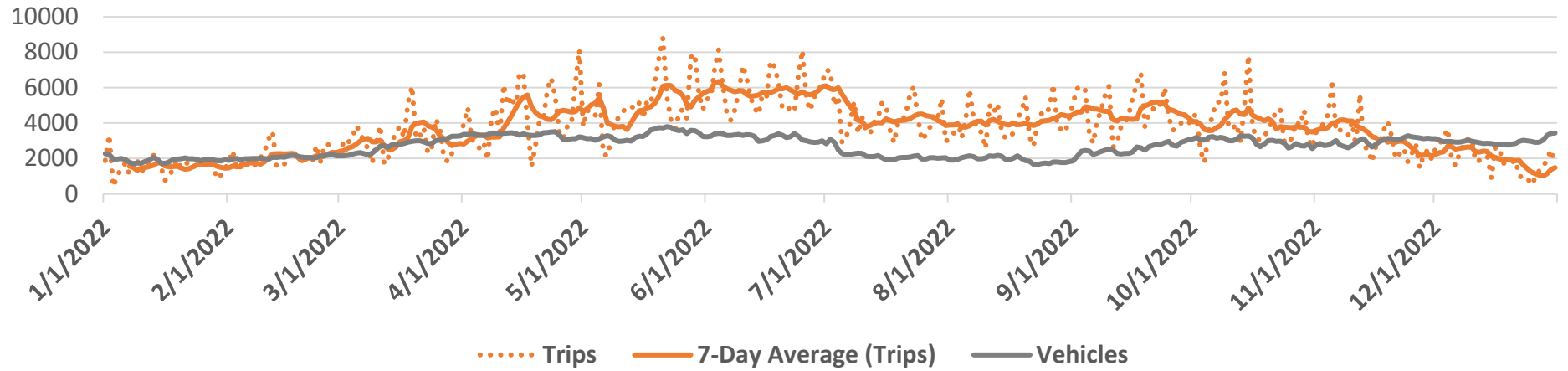
Year	Average Utilization (trips/veh/day)
2021	1.69
2022	1.39
2023	0.83

Year	Average Utilization - January
2021	0.72
2022	0.80
2023	0.65
<b>2024</b>	<b>0.45</b>

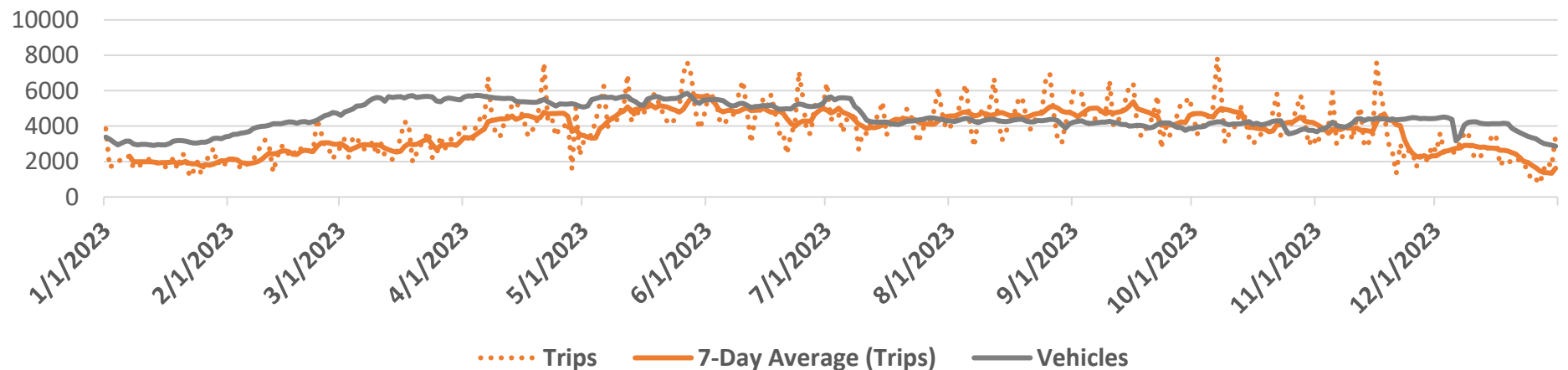
# Ridership

## Daily Trips & Vehicles Available

2022



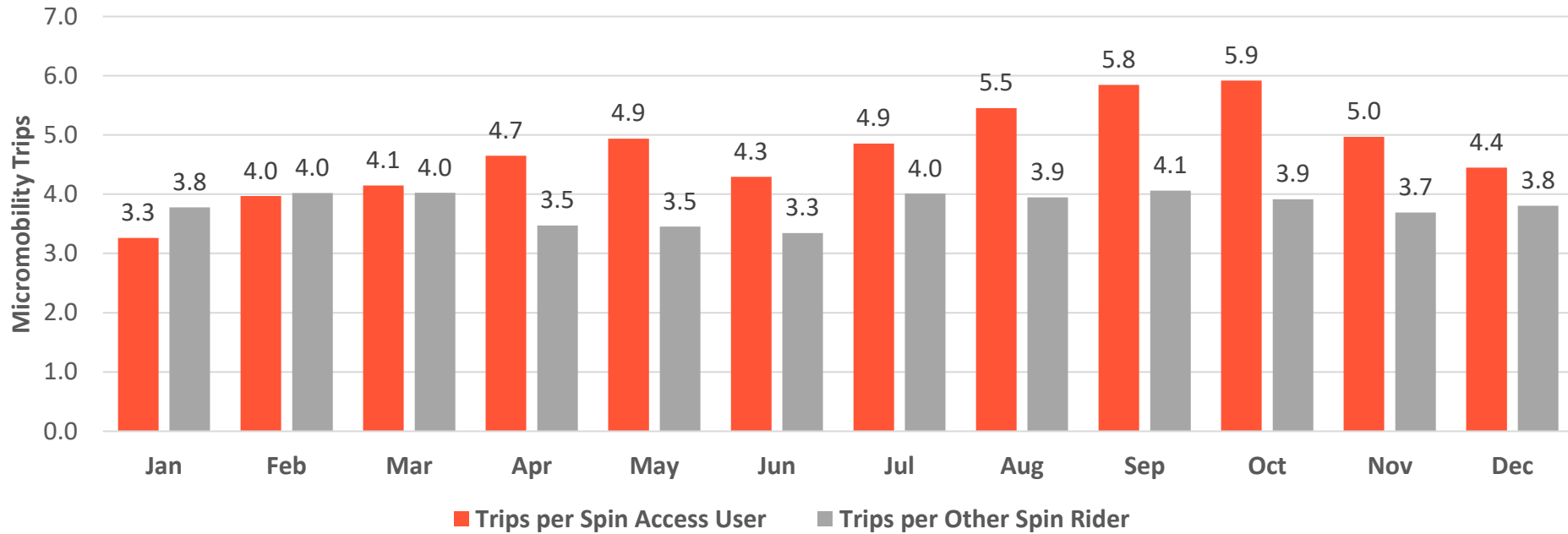
2023





# Ridership

## Spin Access Users



Rider	Average Monthly Trips
Spin Access User	4.7
Non-Spin Access User	3.8

## LOW-INCOME SCOOTER PLANS

**DID YOU KNOW THERE ARE  
DISCOUNTED PLANS  
FOR RIDING SCOOTERS?**

All Baltimore micromobility providers are required to have plans to make them accessible for low-income residents,

It's called:  
SPIN ACCESS



**LEARN MORE**  
[buff.ly/3W9G1iE](https://buff.ly/3W9G1iE)

## SMARTPHONE-FREE SCOOTER PLANS

**DID YOU KNOW YOU CAN  
RENT A SCOOTER  
WITHOUT A SMARTPHONE?**

All Baltimore micromobility providers are required to have plans that allow riders who don't have smartphones.

It's called:  
SPIN ACCESS



**LEARN MORE**  
[buff.ly/3W9G1iE](https://buff.ly/3W9G1iE)

# Parking Corrals

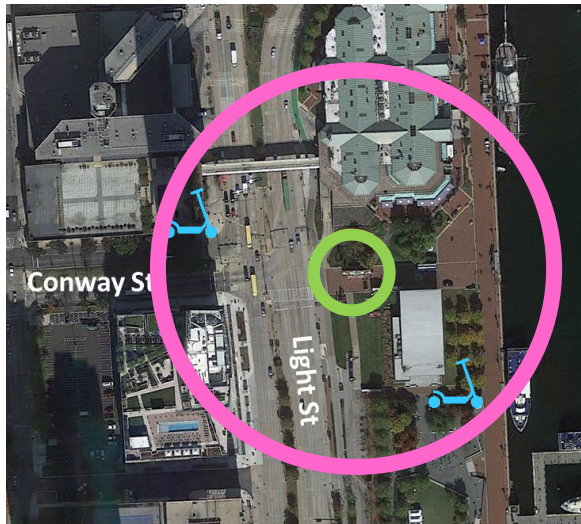
In-street parking corral



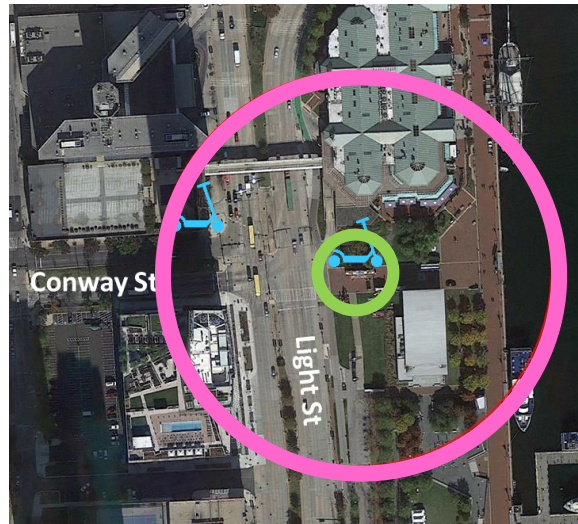
Sidewalk parking corral

# Parking Corral Analysis

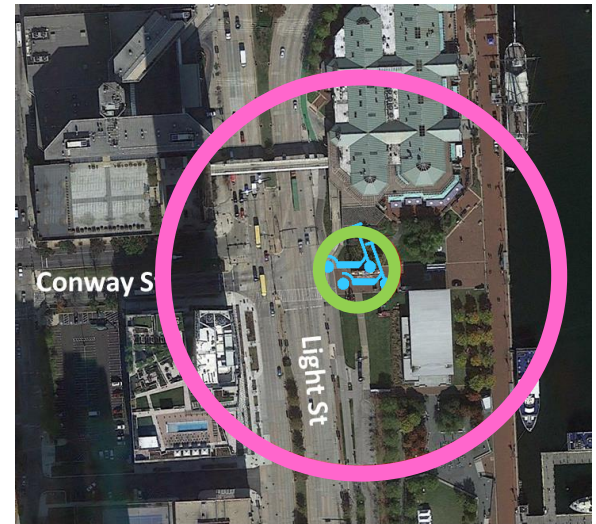
What percent of trips that ended on a **block (100 m)** with a corral ended in the **corral (20 m)**?



0% parked in corral



50% parked in corral



100% parked in corral

# Parking Corral Analysis

**What percent of trips ended in a parking corral?**

Time Period	Percentage of Vehicles Parked in Corral - Citywide
July – December 2022	24%
July – December 2023	24%

**How does the percent of trips that ended in a parking corral vary by land use or trip purpose?**

Time Period	Corrals in Commercial Areas	Corrals at Transit Stations	Corrals along the Waterfront	Corrals at the Stadiums	North Avenue Rising Corrals
July – December 2022	20%	34%	28%	8%	20%
July – December 2023	20%	35%	29%	10%	19%
Change	0%	1%	1%	2%	-1%

## Parking Corral Analysis



Corrals with 5% or more increase in parking from 2022 to 2023:

Corral	Percent Increase from 2022 to 2023
Harford Road – Zeke’s	30%
Penn Station	22% - No Parking Zone Pilot
Stadium – West Camden Street	14%
Little Havana	12% - New Corral
Camden Yards Light Rail	12%
Rusty Scupper	11%
Hollins Market	8%
Rogers Ave Metro	8% - No Parking Zone Pilot
Boone Street Community Garden	6% - New Corral
West Baltimore MARC	5% - No Parking Zone Pilot

## Permit Holder Compliance

Metric	Enforcement	2022-2023 Permit Year
<b>Deployment (fleet size, Equity Zones &amp; Deployment Districts)</b>	Twice monthly	0 warnings, 0 citations
<b>App/geographical updates</b>	Twice monthly	0 warnings, 0 citations
<b>5-Day Parking Maximum</b>	Twice monthly	2 warnings, 0 citations
<b>Vehicle Inspections</b>	Monthly	0 citations
<b>Parking Audits</b>	As needed/ongoing	0 citations
<b>Specific Parking Issues</b>	As needed	0 citations
<b>Customer Response Time</b>	As needed/ongoing	0 citations

# SPIN

Vehicle Type	Number of Vehicles
 <p data-bbox="560 913 724 949">E-scooters</p>	<p data-bbox="1226 799 1342 842">2,800</p>
 <p data-bbox="589 1242 705 1278">E-bikes</p>	<p data-bbox="1236 1106 1333 1149">150+</p>



**SPIN**

# Dockless Vehicle Committee Meeting

**Baltimore City Department of Transportation**

February 2024



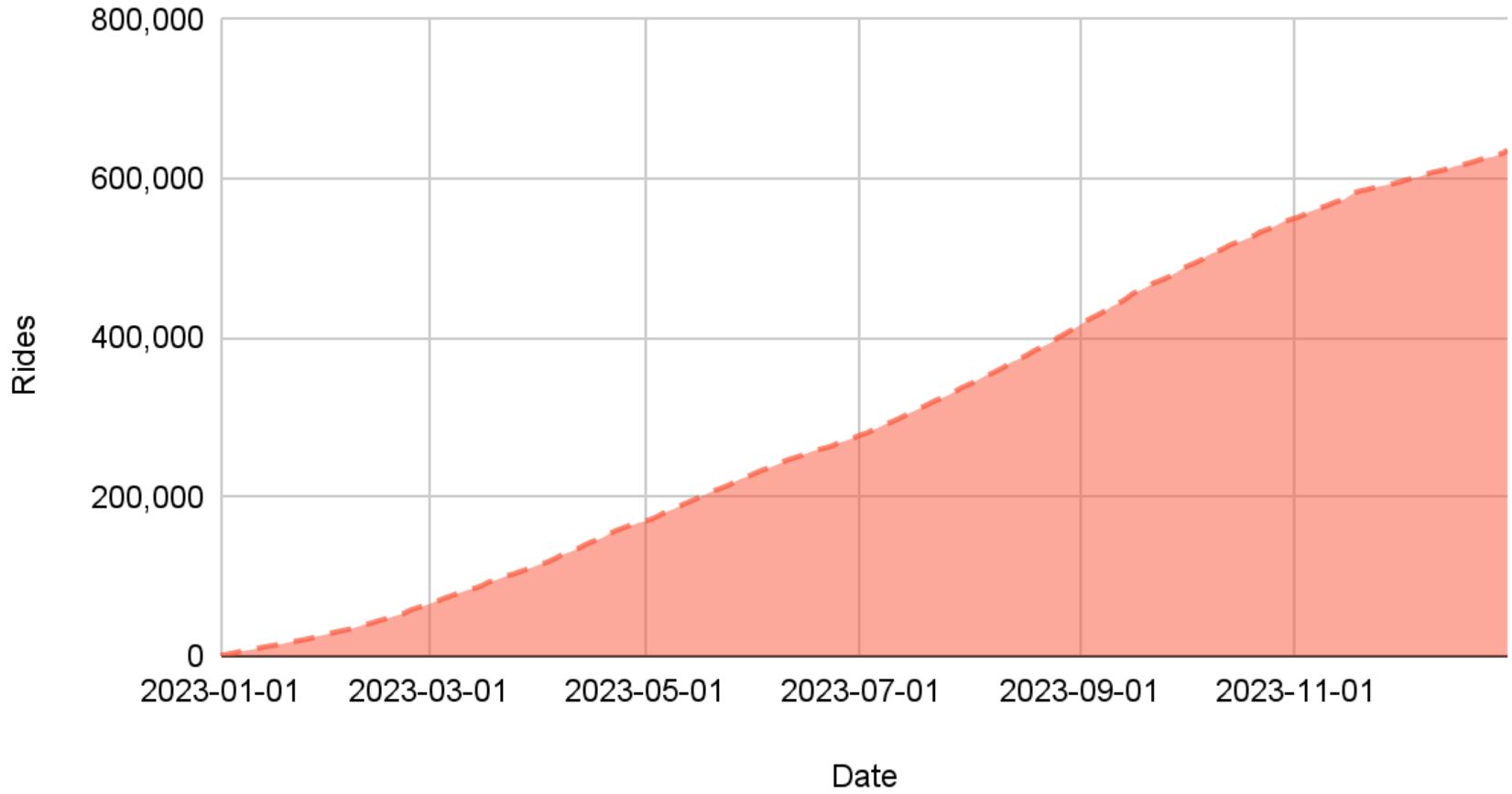
# Baltimore Highlights

Oct - Dec 2023

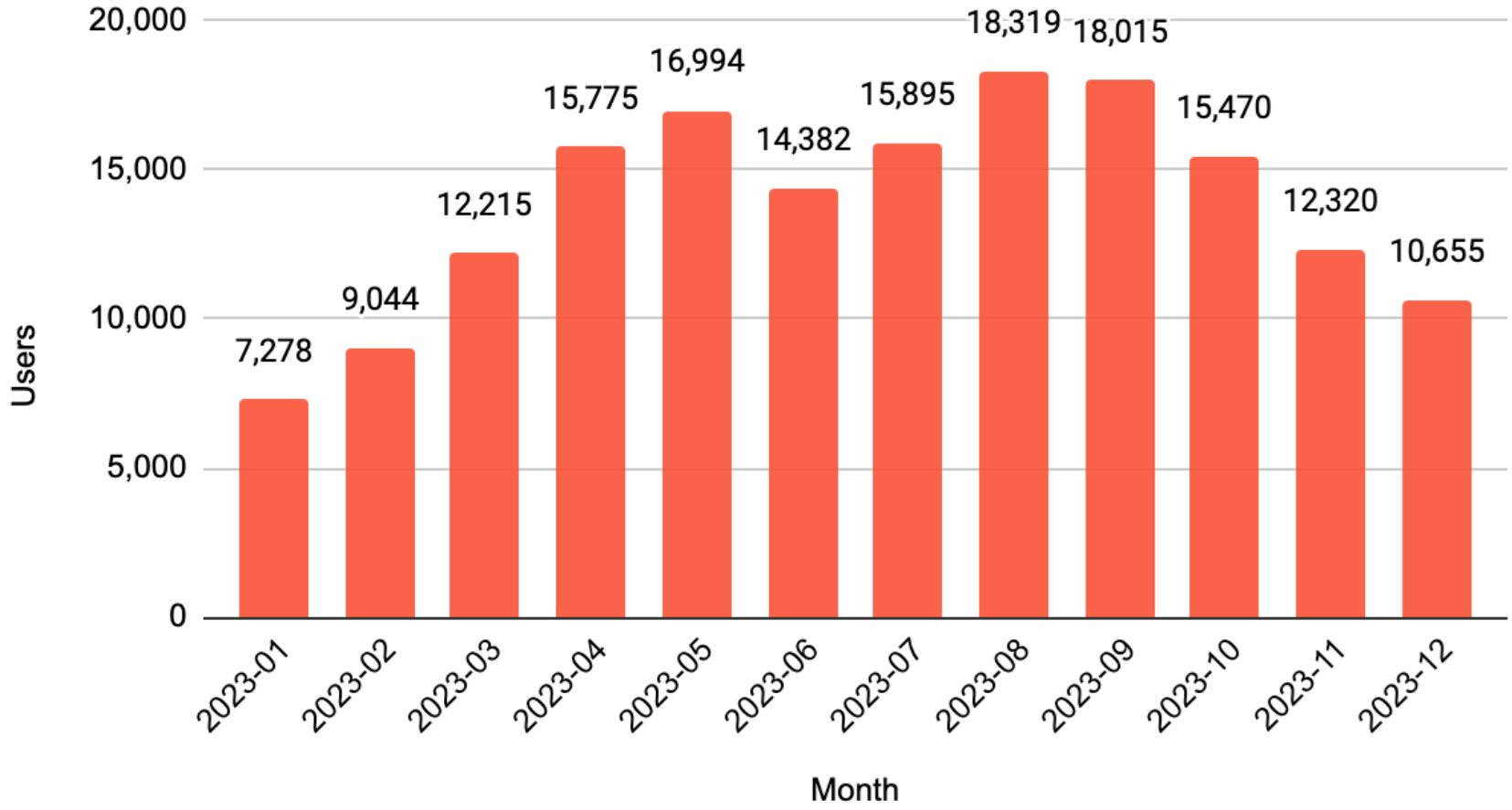
- 149,553 trips in Q4 2023!
- 636,286 total trips in 2023
- 166,481 unique users
- [Bikemore/ BCDOT Partnership](#)
  - Held educational events in transportation-insecure communities to promote discount riding plans
- Additional \$25M in funding
- Filled vehicle gap with the exit of Superpedestrian



# Cumulative Rides (2023)



# Monthly Active Users



**SPIN**

# Thank you!

For more info, contact [jlynch@spin.pm](mailto:jlynch@spin.pm)



[spin.app](http://spin.app)

## Discussion: User Survey

### User Survey: Planned for February – March 2024

- Pop-up in app
- BCDOT Social Posts
- BCDOT flyers in equity zones
- Other distribution ideas?

### Results will be used to:

- Inform Rules & Regulations
- Show change over time

# Discussion: User Survey



Take the 2024 User Survey today!  
<https://www.surveymonkey.com/r/QZ2HKDG>



## Baltimore Dockless Vehicle Program - 2024 User Survey

Thank you for helping us to evaluate the Baltimore City Dockless Vehicle Program! Your answers and information will all be kept confidential. Responses from all participants may be shared in an evaluation report and be used to help shape services in the future. If you want to know more about the dockless vehicle program, please visit our website:

<https://transportation.baltimorecity.gov/bike-baltimore/dockless-vehicles>

The survey takes about 8 minutes to complete. Please be sure to answer all questions about your dockless vehicle (scooters and e-bikes) use in Baltimore City, not in other cities or towns. ☺ 0

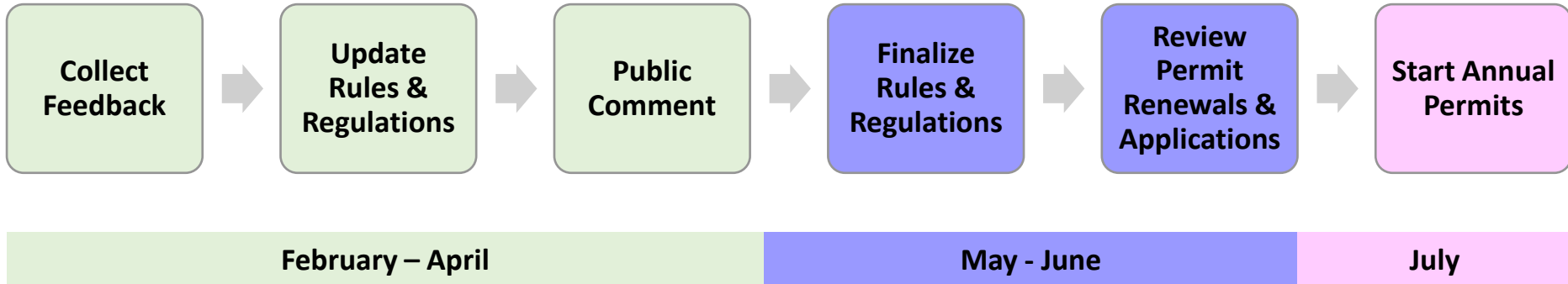
\* 1. How often do you ride a dockless bike or scooter? ☺ 0

- Every day
- A few times per week
- About once per week
- A few times per month
- About once per month
- At least once per year
- Never

2. Do you have any of the following plans? Select all that apply. ☺ 0

- Low income
- Non-smartphone/text to unlock
- Cash payment
- Weekly subscription
- None of these

# Discussion: Next Steps



311 Services Payments Mayor's Office News Directory Events

**dot** Baltimore City Department of Transportation

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Home > Bike Baltimore > Dockless Vehicles

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- [Upcoming Public Meetings](#)

## Dockless Vehicles

2023-2024 Permit Regulations:

- [Revised Rules & Regulations](#)



**What are the top issues you want to see addressed by the Rules and Regulations?**



<https://www.menti.com/alg7di3yt2m9>

Access Code: 2533 3532

**How many micromobility permits should Baltimore offer  
in 2024?**



<https://www.menti.com/alg7di3yt2m9>

Access Code: 2533 3532



# Apply to be a BBSP Living Lab



### **Living Lab grantees will receive:**

- Grant funding of \$200,000 over two years
- Technical support from BBSP partners and other industry leaders
- Scholarships and travel stipends to present at relevant conferences

### **BBSP Is Looking For:**

- Projects that directly target historically underserved populations, specifically low-income and/or communities of color
- Established shared micromobility systems with a demonstrated commitment to equity
- Established and functional relationships between partners
- Projects with potential for replicability

# Action Items

## Next Meeting - April 10, 2024

- User Survey Results
- R&R Public Comment Period
- Living Labs Program Update



ACH20 Bicycle Transportation

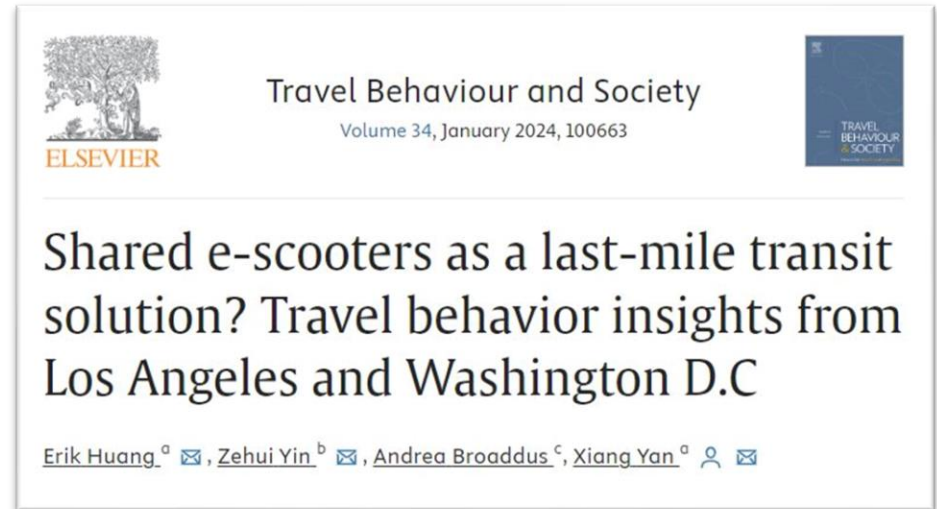
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### Joint Subcommittee on Powered Micromobility

**Joint Subcommittee on Powered Micromobility**

**Subcommittee Purpose**

The Powered Micromobility Subcommittee is a joint subcommittee of the TBB Committees on Bicycle Transportation (ACH20), Pedestrians (ACH10), Traffic Law Enforcement (ACS30), and Innovative Public Transportation Services and Technologies (AP020). Its main purpose is to explore emerging technologies and their relationship to existing infrastructure and policies.



Travel Behaviour and Society  
Volume 34, January 2024, 100663

## Shared e-scooters as a last-mile transit solution? Travel behavior insights from Los Angeles and Washington D.C

Erik Huang<sup>a</sup>, Zehui Yin<sup>b</sup>, Andrea Broaddus<sup>c</sup>, Xiang Yan<sup>a</sup>

